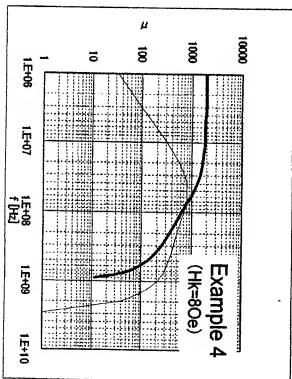
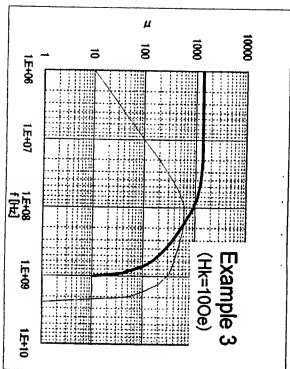
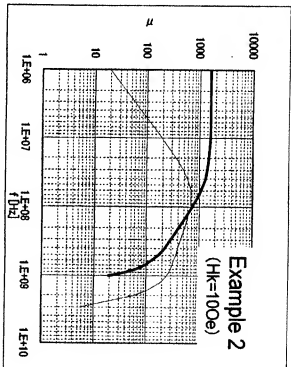
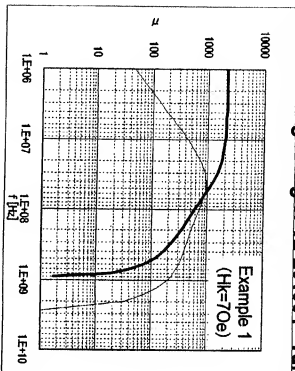
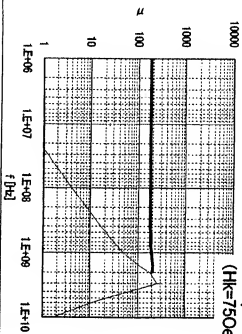


## Exhibit A regarding JP02-201904 - Takeshi

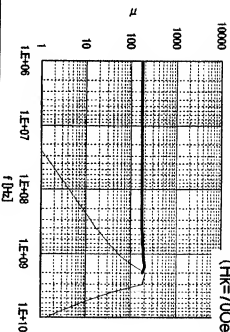


# Exhibit B regarding the present application

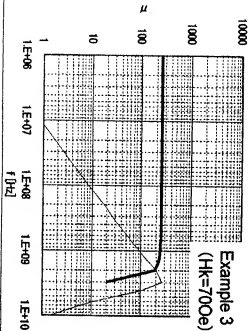
Example 1  
( $H_k=750e$ )



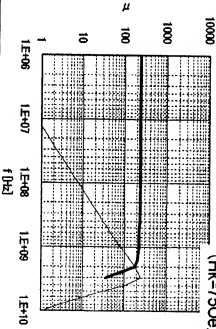
Example 2  
( $H_k=700e$ )



Example 3  
( $H_k=700e$ )



Example 4  
( $H_k=750e$ )



## Exhibit A Condition

Item	Example 1	Example 2	Example 3	Example 4
Particle material	Fe	Fe	Fe	Fe
Particle size	30-50nm or 10um	30-50nm or 10um	30-50nm or 10um	30-50nm or 10um
Matrix material	Polyimide	Polyimide	Polyimide	Polyimide
Volume content of particle	60-95 vol %	60-95 vol %	60-95 vol %	60-95 vol %
Film thickness (um)	5	5	5	5
Saturation magnetization (T)	1.5	1.6	1.4	1.5
Electrical resistivity (uΩ cm)	180	250	400	200
Anisotropic magnetic field (Oe)	7	10	10	8
Permeability at 0.1 MHz	2000	2140***	1800	1600***
Permeability at 25 MHz	1000	2130***	1200	1590***
Permeability at 1GHz	error***	error***	error***	error***

\* No data in JP02-201964 Takeshi and estimated from FIG. 6 of the attached reference 1

\*\* Data in JP02-201964 Takeshi and estimated using LLG equation.

\*\*\* Calculated using LLG equation with the parameters of film thickness, saturation magnetization, electrical resistivity and anisotropic magnetic field

## Exhibit B Condition

Item	Example 1	Example 2	Example 3	Example 4
Particle material	Co69Fe31 (at %)	Fe	Fe	Co69Fe31 (at %)
Particle size	7nm	7nm	10nm	9nm
Matrix material	Polyimide	Polyimide	Polyimide	Teflon
Volume content of particle	80 vol %	80 vol %	90 vol %	88 vol %
Film thickness (um)	0.45	0.45	0.45	0.43
Saturation magnetization (T)	1.33	1.21	1.75	1.73
Electrical resistivity (uΩ cm)	260	250	110	100
Anisotropic magnetic field (Oe)	75	70	70	75
Permeability at 0.1 MHz	175***	170***	250***	230***
Permeability at 25 MHz	200	195***	250	230***
Permeability at 1GHz	200	195***	270	245***

\*\*\* Calculated using LLG equation with the parameters of film thickness, saturation magnetization, electrical resistivity and anisotropic magnetic field

Particle size of Takeshi was estimated from FIG. 6 of the attached reference 1 and the value of coercive force shown in Table 1 of Takeshi. The estimated particle size of Takeshi was 30-50nm or 10um. As Takeshi mentions that the ferromagnetic metal particles have a column structure, the latter value of 10um can be adopted. The ferromagnetic metal particles with a size of 30-50nm never have a column structure.

If the values of 30-50nm are adopted in Takeshi, similar results will be obtained. Even if the value of 20nm proposed by Fujimori are adopted in Takeshi, similar results will be obtained. That is, the estimated permeability at 1GHz will be zero (error).

FIG. 6 of the attached Reference 1

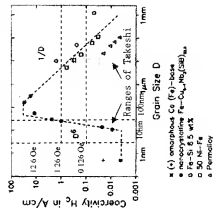


Fig. 6 Grain size and coercivity  $H_c$  for various soft magnetic metallic alloys  
[Ref] G. Herzer, "Grain Size Dependence of Coercivity and Remanence in Nanocrystalline Ferromagnets," IEEE Trans. Mag., 26(5), 1397-1402 (1990)